

Activity report

MainSafeTraceJapan

- Short summary of activities in the MainSafeTraceJapan

WP 0 February-June 2011

- Planning of Japanese meeting in March (postponed)
- Planning and carrying out Japanese Meeting in May

WP 2 February –June 2011

■ SFH- NSS

- March, project meetings i Bergen
- Defined design-criteria for ICT application
- Presentation of ICT application functionalities (postponed from March to May)
- Coordination with new Norwegian project (SAM XT)

■ NSS - Development of new ICT-application

WP3 February-September 2011

Short summary of activities in WP3

- Trip to Bergen, meeting/discussion with the industry (February 2011)
- Collection of Japanese mackerel (May 2011)
- Lipid analyses of Japanese mackerel
- Application submitted to the Norwegian Research Council for a possible guest researcher stay in connection with the ongoing project (NRIFS reasearcher visiting SINTEF in 2012).
- Presentation of results to the WEFTA 2011, Göteborg, Sept 2011

WP4

- SFH-Nofima
 - Discussions and planing for WP-activities

WP 0 Januar 2011

- SFH: Planing project meetings in Bergen February 10th
- Planing consortium meetings in Japan March 2011

WP 1 Januar 2011

- SFH: Evaluation of deliveries, reports and memos in T1.1, T1.2, T1.3 and T1.4

WP2 November – December 2010

■ SINTEF and FMRIC

- ICT- mapping of NSS, Catch Certificate AS and Japanese importer.

WP3 October 2010

- Analysis of the collected Japanese samples
 - Histamine analysis of fish samples
 - Fatty acid composition analysis (GC) of oil samples

- Collection of Norwegian Mackerel
 - From production at Atlantic Pelagic 11.10.2010

- DNA extracted and the fragment Kocher analyzed of:
 - 12 red labels: Mackerel sent from Norway
 - 4 light green labels: Norwegian mackerel processed in NRIFS lab
 - 17 dark green labels: Products purchased in Japan
 - 12 pink labels: *S. australasicus* products

October 2010 WP2

- SFH submitting paper "Managing food traceability information using EPCIS framework" using pelagic processing as industrial case

October 2010 WP1

- SFH and Nofima: Finished and delivered report "Kartlegging av IKT-systemer og tilgjengelighet av data hos Austevoll Fiskeindustri", sent to NSS for approval.
- SFH and Nofima: discussions relating to strategy and future plan for the MainSafeTrace project

September 2010 WP0

- Scientific workshop in Trondheim (all scientific partners)
- SFH: minutes of meetings and presentations published on eRoom
- SFH: Distributed invitations to eRoom for all participants

September 2010 WP1

- Nofima: Completed Activity 1.4 "Simulated Recalls of Mackerel Products". Finished and delivered report "Simulated recalls of Mackerel caught in Japan and Norway – A short Summary of the Results", sent to FMRIC for approval.
- SFH and Nofima: Worked on report "Kartlegging av IKT-systemer og tilgjengelighet av data hos Austevoll Fiskeindustri" which goes as input from WP1 to WP2.

WP3 September 2010

- Participation in workshop, Trondheim Norway
 - Presentation of results, WP3
 - Comparison of analytical procedures Norway/Japan
 - Discussion and planning of further work according to the viewpoint of Japanese importers/customers of which quality parameters to focus on.
- Collection of samples (fish, extracted oils and samples in ethanol) brought to Norway by Professor Yamashita:
 - 12 red labels: Mackerel sent from Norway
 - 4 light green labels: Norwegian mackerel processed in NRIFS lab
 - 17 dark green labels: Products purchased in Japan
 - 12 pink labels: *S. australasicus* products
 - 18 pink labels: *S. japonicus* products
 - 4 *S. scombrus* cold smoked, 4 hot smoked and 4 dried
 - 3 *S. japonicus* hot smoked
 - 3 *S. australasicus* hot smoked

July-August 2010 –WP0

- SFH Preparing Industry meeting in Tokyo in June (postponed due to illness)
- SFH - Preparing scientific work shop in Trondheim August 31 – September 1. 2010

July-August 2010 –WP 1

- SFH, NOFIMA and FMRIC all involved in Simulated Recall activity
 - Prepared workshop presentation on outcome of simulated recall activities
 - Prepared workshop presentation on process mapping methodology and results
- SFH –Updating Stakeholder analysis report
- SFH and NOFIMA –
 - Preparations for survey of ICT systems in the Norwegian pilot chain
 - Company visit, detailed mapping of data recording practice and ICT systems
 - Meeting with project owner (Norges Sildesalgslag) to report status and discuss options for the Electronic Data Interchange (EDI) that is to take place between Norway and Japan in this project
 - Meeting with Norwegian National Institute of Nutrition and Seafood Research (NIFES) to discuss possibility of collaboration to extract data on mackerel from their seafood component database

July-August 2010 –WP 3

IIM-CSIC activities

- Coordination of activities with NRIFS
- Lab activities by IIM-CSIC
 - Analyses of the sequences of the three species of Scomber: *S. scombrus*, *S. colias* and *S. japonicus*, with two different gene fragments: Cytb and ND5.
 - Comparison with *S. australasicus* from sequences from the GenBank
 - Extraction of DNA from Norwegian products
 - Purchased Spanish mackerel products
- Preparation and attendance to the Worskhop in Trondheim

July-August 2010 –WP 3

SINTEF activities

- Statistical analysis of GC and NMR data
- Collection of all activities and results from the first year
- Summarising results and preparation for project's workshop
- Project's workshop at SINTEF in Trondheim

June 2010

- WP1 Simulated recalls carried out
- WP 3: activity plan for 2010 approved by participating partners
- WP 3: Current results from mackerel 2009 analysis collected
- WP 3: List of analysis on desirable mackerels samples from the Japanese marked (agreed with partners)

May 2010

- FMRIC, NOFIMA and SFH have started "simulated recall" (T1.4.2) in Japan for 35 mackerel products.
- FMRIC released a report (in Japanese) of the project of first year.
- Japanese version of Process mapping form was released at FMRIC web site (T1.2.3).

May 2010

- Coordination of activities (All partners)
- Lab activities by IIM-CSIC (performed)
 - DNA extracted and analyzed of *S. scombrus* (Norwegian)
 - DNA extracted and analyzed of *S. colias* (Spanish)
 - DNA extracted and analyzing of *S. japonicus* (Received from NRIFS)
- Lab activities by NRIFS (agreed upon)
 - Analyses of samples frozen in Japan:
 - Histamine with a test kit
 - Fat content by NIR
 - Colour
 - Selenium
 - Mercury
 - Send to IIM-CSIC samples of these mackerel in ethanol for DNA analysis

April 2010

- FMRIC finished simulated recall test in Japan for 4 products
- Follow up of Japan-trip.
- Project planning meeting in Tromsø (SFH and NOFIMA)

March 2010 continues

- Took reference samples of Japanese mackerel from NRIFS to Norway
- Signed co-operation contract between Prof. Iciar Martinez of Instituto de Investigaciones Marinas – CSIC, Vigo, Spain. Area of co-operation: Traceability Control Mechanisms, DNA-analyses in particular.

March 2010 continues

- Meeting with Prof. Yamashita at NRIFS and Per Christer Lund of the Norwegian of the Norwegian Embassy regarding research co-operation
- NRIFS and SINTEF will continue the long lasting co-operation within Traceability Control Mechanisms
- Carried out simulated recall test of Norwegian mackerel products bought in Japanese supermarkets
- Final meeting summing up the different activities and planning further progress. It was decided to try to arrange a work shop in Norway with Japanese participation in August/September 2010.

March 2010

- Planning and conducting of trip to Japan
- Joint annual meeting between the two cooperating projects; MainSafeTraceJapan (funded by Norwegian Research Council) and “The Implementation project of Lot Management system for traceability” (funded by Japanese MAFF).
- Participated in the steering committee meeting in the “Committee for Study of traceability in the mackerel supply chain”.
- Took part in internal meeting with MAFF. MAFF might be willing to extend the Japanese project to conduct more simulated recalls of Japanese mackerel.
- Meeting with Norwegian Export Council for fish.

February 2010

- Annual national project meeting/workshop, Bergen, 2010.02.02
 - Presentation of results from 2009
 - Planning activities 2010, 2011
- Establishing a project eRoom
- Preliminary report on Norwegian Critical Control Points
- Preliminary report on cold chain results

Januar 2010

- Analysis of temperature data
 - Temperature data from transport between Norway and Japan
 - Measured by RFID temperature sensors
- Planning workshop, Bergen, Norway
- Funding of joint Japanese project (Jun Sakai, FMRIC)

December

- Planning activities for return of RFID temperature sensors and frozen mackerel
- Arrival of frozen mackerel in Tokyo
 - Collection of RFID tags
 - Returning frozen mackerel
- Reception of RFID tags and mackerel at SINTEF Trondheim

November

- Production of reports from
 - Stakeholder analyses
 - Process mapping
- Trip to Japan - Petter Olsen (Nofima)
 - Process mapping work shop at Norwegian Embassy
 - Process mapping at Maruha cold storage

October

- Visit to Atlantic Pelagic at Austevoll October 6th – 8th
 - Process mapping of mackerel landing site, cold storage and exporter made
 - Samples of mackerel from one catch/batch of mackerel (fresh, frozen and refrozen) was taken and sent to SINTEF Fisheries and aquaculture in Trondheim
 - Detailed documentation of traceability and properties was made for the actual catch/batch
 - RFID-tags including temperature sensors was placed in 9 pallets of the actual batch.
- Visit to Japan
 - Meetings Meiden Software (further discussions on project participation). Meiden thinks that the project is very small.
 - Stakeholder analysis conducted at 3 importers; Maruha, Sojitz and Dolphin Trading
 - Meeting with Japan Broadcasting Corporation which is interested in making a TV program about the project
 - Short meeting with EFF
 - Trip to Yokohama and meeting with NRIFS, agreed to make an separate institute cooperation agreement

September

Visit to Bergen

- Meeting with Atlantic Pelagic
- Agenda:
 - Planning of when, what and how to do samples of mackerel catch
 - Design of task for documentation of cold chain (RFID-temperature sensors)
- Meeting with NSS
 - Project status meeting
- Further planning of October trip to Japan
 - Meeting requests and scheduling
- Development of Stakeholder analysis questionnaire

August

- Finalization of OST prototype
- Establishing operational plan for WP1
- Planning of next trip to Japan
 - Stakeholder analysis
 - Japanese software partner
 - Include NRIFS in the project again

July

- Software development / adaptation (WP2 preliminary work)
 - a prototype of OST (Open Source Tracker) as a .NET version was made
 - OST comes with an optional web interface used to view, generate and exchange traceability messages
 - OST may also translate traceability message from one language to another, such as from English to Japanese, Chinese etc. and vica versa

June

- Receiving consortium agreement documents
- Follow up on Japanese partner NRIFS

May 2009

- Establishing and distributing project consortium documents
- Trip to Bergen
 - Kick off meeting with NSS. Discussions on project organisation and activities
- Trip to Japan (Jostein)
 - Meetings with project partners; FMRIC (research institute), Maruha and Sojitz (importers), Meiden Software.
 - Meeting with Norwegian embassy regarding project partner NRIFS which suddenly was refused to participate by MAFF (Ministry of Forestry and Fisheries)
 - Meeting with a large group of Norwegian journalists visiting Japan
 - Meeting with Japan Broadcasting Corporation
 - Meeting with Norwegian ambassador to Japan
 - Short meeting with EFF